

Tips for using SCI with BUFFALO

A student asked:

I was working on the SCI lab and it gets stuck on my `OutChar` subroutine. Part of the lab works perfectly. I am using the same `OutChar` subroutine. I can load the address of the data, it jumps to `OutStr` and that calls `OutChar`. When I trace through the program it thinks the transmit buffer is full. I don't know where the problem could be.

ANSWER:

Under the `BUFFALO`, Tx line is almost always busy because `BUFFALO` uses the same SCI for their display. Therefore, the best way of testing `OutChar` is to set the breakpoint after `BSR OutChar` (or `JSR OutChar`), then you just type "go".